Governor's Office of Energy Management and Conservation

Rebuild COLORADO

Colorado Geoexchange Projects in Government Facilities

Following is a list of selected geoexchange installations in government facilities in Colorado:

Canon City School District: Canon City HS
The district installed two geothermal heat pumps in the summer of 2000, to provide cooling and heating for two interior home economic rooms, serving a total of 1,800 square feet. *Contact: Bob Heacock, heacocr@canon.k12.co.us 719-276-5812*

Colorado Springs District 11: Facilities and Operation Center (FOTC).
The FOTC was the pilot installation for geoexchange in the district, completed in 2000. The 26,000 square foot building uses 32 heat pumps and a closed loop vertical field (32 boreholes, 300 foot depth). *Contact: Thomas Fernandez ,Energy Manager, fernatom@csd11.org 719-477-6011*

Denver Public Schools: Addition
Geoexchange was used in an addition, as a demonstration project. *Contact: Larry Vair, Senior Mechanical Engineer, Larry_Vair@dpsk12.org, 303-575-4121*

Denver Public Schools: Stapleton II K-8
The 100,000 square foot school will use geoexchange and dedicated heat recovery units to heat and cool the entire school, and will be completed in 2006. The Denver Urban Redevelopment Authority, Forest City Development, Stapleton Foundation , and the district have made sustainability a high priority in the school. *Contact: Dariusz Wiecha, Project Manager Dariusz_Wiecha@dpsk12.org 303-575-4180*

Frenchman School District
Geoexchange was installed in a K-12 school remodel project in Fleming, in northeastern Colorado in 2003. The 130 ton system uses a horizontal pit loop design, with about 40,000 linear feet of pipe for the heat exchanger. *Contact: John Condie, Superintendent, condiej@fre3.edu 970-265-2111*

Lewis Palmer School District: Administration
The Administration Building was renovated and expanded in 2004. The completed building is 34,000 square feet and uses geoexchange. The system includes 37 heat pumps and 42 ground heat transfer wells that provide 80 tons of cooling and 1,000 MBtu's heating. The additional first cost was paid for through an energy performance contract. *Contact: Joe Subialka, jsubialka@lpsd.k12.co.us, 719-488-4705*

Poudre School District: **Operations Center**
The center uses geoexchange to provide heating and cooling for the 8,753 square foot office building for the facilities' staff. Completed in May 2002, the center was awarded an EnergyStar® label and received an EnergyStar® score of 97. *Contact: Stu Reeve, stur@psdschools.org 970-490-3502*

Pueblo 60 School District: Irving Elementary
The district is installing geoexchange in a 50,000 square foot school to be opened in the fall of 2004. The geoexchange system and other retrofits in the district are being paid for through a StePP grant and a Quality Zone Academy Bond. *Contact: Mark Gazette, MGazette@pueblo60.k12.co.us. 719-549-7206*

City of Northglenn Waste Water Treatment Plant
The City is upgrading the plant beginning in 2004. The project will include four new buildings and a renovation of the services building. The system will use aeration basins as the energy source to serve water-to-water geothermal heat pumps. The services building will use Bull Reservoir as the source energy exchange to the geothermal heat pumps. *Contact: 303-457-0931*

Montrose County: Health & Human Services
A 123-ton vertical loop system will be installed at the South Campus facility in 2004. The renovation will use geoexchange to replace the existing electric boilers, chillers and cooling towers. *Contact: Robyn Funk, rfunk@co.montrose.co.us 970-249-7755*

United States Air Force Academy:
The USAFA is installing geoexchange as part of a renovation of the 90,000 square foot Harmon Hall administrative building in 2005. A geoexchange system was also installed in 2004 to serve a new guard station and new Visitor Registration building at the South Entrance. *Contact: Don Andreasen, don.andreasen@usafa.af.mil 719-333-8397*